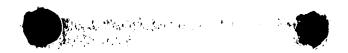# FAIR ELEVATOR SCHEDULING ALGORITHM FOR DIRECT ACCESS STORAGE DEVICE

Abstract of the Disclosure

An apparatus, program product and method of processing access requests for a direct access storage device utilize a "fair elevator" algorithm to schedule access requests from a plurality of requesters desiring access to a direct access storage device (DASD). In particular, a fair elevator algorithm arbitrates requests by taking into account both the requesters with which various requests are associated, as well as the relative positions of the data to be accessed on the DASD. By sorting access requests based upon both requester identity and DASD position, both multitasking performance and DASD throughput are improved in a balanced manner, thus improving overall system performance.